

REMARKS

Claims 1-12 are rejected under 35 USC 101 because the method of detecting a data structure does not present a concrete tangible result. For example, in claim 1, applicant claims a method of detecting a data structure providing a register for storage of a bit value and then calculating a number (bit) which is basically executing an algorithm operation, therefore, the claim does not include a practical application nor produce a tangible result. Claims 2-12 are rejected for the same reasons as claim 1.

Applicant has amended independent claims 1 and 7 to add the steps of:

“inserting the generated merging bits between former 14-bit data and latter 14-bit data; and
utilizing the optical storage device to write the former 14-bit data, the inserted merging bits, and the latter 14-bit data to the optical disc.”

These amendments to the claims are fully supported in paragraph [0014] of the specification, and no new matter is added through the claim amendments.

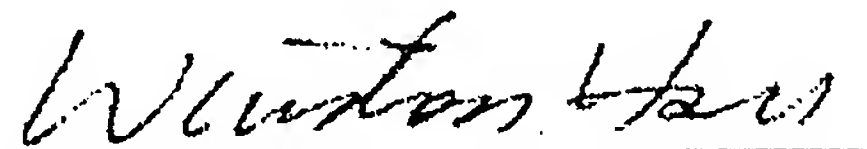
As a result, the method now produces a tangible result since the optical storage device writes data to the optical disc, which is a computer-readable medium. As stated in MPEP 2106.01, “When functional descriptive material is recorded on some computer-readable medium, it becomes structurally and functionally interrelated to the medium and will be statutory in most cases since use of technology permits the function of the descriptive material to be realized.” Therefore, since the claimed methods of claims 1 and 7 effect change on a computer-readable medium, the applicant submits that the amended claims 1 and 7 are now directed toward statutory subject matter. Claims 2-6 and 8-12 are dependent on claims 1 and 7, and should be allowed if claims 1 and 7 are allowed. Reconsideration of claims 1-12 is respectfully requested.

In view of the claim amendments and the above arguments in favor of patentability, the

applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,

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